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IMPLEMENTATION OF LEARNING STRATEGIES IN DEVELOPING LEARNING POTENTIAL IN STUDENTS IN THE ERA OF DIGITALIZATION

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Abstract

This research aims to describe and explain the implementation of learning strategies in developing the learning potential of students in the era of digitalization. The digital era that is currently developing has a big impact on all aspects of life, including in the field of education. Therefore, implementation is needed in learning so that students can optimize their potential and obtain good learning results. The research method used is a literature study method with a library *review research*). The data collection used is primary data in the form of books, journals and online sources related to the implementation of learning strategies. The data is analyzed by reading, collecting and summarizing information to create a picture of the implementation of learning strategies. The results of this research show that implementing learning strategies is important for improving student learning outcomes in the digital era. Various implementations of learning strategies such as the development of interesting and interactive learning materials, one of which is project-based learning. This project-based learning is greatly influenced by student activity in class. Students will be involved in designing, developing, and creating solutions to answer given problems. Implementing learning strategies also makes learning more organized, fun and interactive for students, so that it can help students understand the material and be motivated to learn better.

Keywords : Implementation of learning strategies, learning outcomes, digital era

Introduction

Education is one of the fundamental elements in the development of a country. In the educational context, individuals are given the opportunity to acquire essential knowledge and skills in facing various life challenges and make a positive contribution to the social structure of society. Article 11 of the Education System Law No. 20 of 2003 states that, "The Government and Regional Governments are obliged to provide services and facilities, as well as guarantee the implementation and guarantee quality for every citizen without discrimination.(Aulia et al., 2023). Education is very important for the development of every individual. Quality education will produce a progressive, productive and constructive society. This has become the focus of the government's attention, so there are many ideas about changing the curriculum to adapt conditions to the current situation.(Putriana Naibaho Dwi, 2023). Along with the current development of science and technology (IPTEK), it is highly demanded to have human resources who master this science and technology. Education is also an effort that must be carried out in a systematic, planned and sustainable manner and of course make optimal efforts to achieve educational goals both at the most concrete level as short-term learning process goals and at the most abstract and general level as conceived in human terms." as a whole" which can contribute to nation building and human development.(Anggareni et al., 2013). Education in this very advanced era of globalization is very important to know the application of learning strategies in developing educators' abilities towards learning outcomes. In the era of globalization and the rapid development of information technology, competition in the world of education is increasingly tight and complex. Each student has different characteristics and learning needs. Even in relatively homogeneous classes, there are still some students who need to be considered, thus creating challenges for educators to achieve learning outcomes for

each individual. Handling individual differences in students can be implemented through the application of learning strategies that focus on student differences and take into account their unique characteristics, making it possible to achieve optimal learning outcomes for each individual.(Aulia et al., 2023). Strategy in the educational context can be interpreted as planning what we will do or a series of things we will achieve that lead to educational goals. Strategy in an educational context leads to something specific, namely specific to learning. Learning strategies are used by teaching staff to achieve learning goals effectively and efficiently.(Eka Anggraeni Novita, 2019)

Technological advances and changes that occur provide a new awareness that Indonesia no longer stands alone. Currently, the most visible lag is in the quality of education, both formal and informal. Education has become a pillar in increasing high quality human resources for national development. (eka anggraeni novita, 2019). These changes have changed the perspective and learning practices in the world of education today. The development of digital era education allows participants to gain knowledge in abundance, quickly and easily. (Nur et al., 2019)Digital era education has significant differences from education in the previous era. This is due to the rapid development of technology in everyday life, including in the learning process. (Lubis, 2022). The manifestation of technological progress that has penetrated the education sector can be seen from the many digital teaching media that support the learning process both online and offline. This shows that the conventional era is slowly starting to end and is turning to the era of digitalization. This condition has a huge impact on education actors, both practitioners and educators, where changes in the learning system, but without proper preparation, create obstacles and challenges that spread to all levels, including educational levels. (Purnasari & Sadewo, 2021). However, learning in the digital era also raises many challenges, such as uneven internet access, inequality among students, and a lack of understanding of how to use technology effectively in the learning process. Therefore, learning innovation is the main thing that is very important to be able to overcome these challenges and improve the quality of learning and student learning outcomes in the digital era.(Lubis, 2022). To face these challenges, it is necessary to develop quality human resources , through the implementation of learning strategies that can facilitate the triggering of *higher order thinking skills starting from early* childhood education to higher education. With the development of science and information technology, learning has become more flexible and mobile . The learning process becomes more flexible and can be done anywhere , anytime, and from anywhere . As stated by Clark N. Quinn, mobile learning as an e- learning learning process carried out by an educator or students including humans can occur at any time, whenever they want to learn a theme that they want to study provided they must be connected to the internet and have an adequate (Sutama et al., 2021) mobile device.

Research Methodology

A method is a method used to discuss and research a problem. This research method uses a *systematic method Literature Review (SLR) with a library* review approach *research)* whose purpose for strengthen analysis from various sources used .(Desi Fitriani, 2022). SLRs in writing This is as base formation plan writing beginning and as source of writing data. The data collection used in this research is primary data in the form of books, journals and online media related to learning strategies in the digital era. The data is analyzed by reading, collecting, summarizing information to create a picture of learning strategies. (Rizal, 2023).

Result & Discussion

Learning Strategies

In increasingly modern times, especially in the era of globalization, human resources are of high quality. To obtain high quality human resources, good education is needed. (Eka Anggraeni Novita, 2019). In the Republic of Indonesia government regulation Number 19 of 2005 concerning national education standards, containing process standards, it is stated that the learning process in education is carried out in an interactive, inspiring , fun, challenging manner, motivates students to participate actively and provides sufficient space for initiative, creativity. , and independence of students' talents, interests, and physical and psychological development . Looking at these regulations, it can be interpreted that students do not just study and learn in a monotonous way, understanding and memorizing, but must also be able to apply them to other aspects of life. To provide students with a more meaningful experience, educators or teachers must develop strategies that require them to be actively involved in learning.(Vadia Dhamayanti, 2022). According to Trianto, learning is a complex aspect of human activity that cannot be fully explained. Learning can simply be interpreted as a product of interaction between development and life experience. In essence, learning is a conscious effort by a teacher to teach students (directing student interaction with other learning resources) in order to achieve the expected goals. It can be said that learning is a two-way interaction between a teacher and students, where between the two, there is intense and directed communication towards a predetermined target.(Pendidikan Administrasi Perkantoran et al., n.d.). Basically,

learning is a communication process between educators and students. The communication process that is established will not always run well and smoothly, there will even be a tone in the communication process that can give rise to misunderstandings or misconceptions.(Eka Anggraeni Novita, 2019). Learning and learning are two interrelated and important concepts in the educational context. Learning refers to the process of knowledge, skills, attitudes, and understanding through environmental interactions or experiences. Learning includes all activities, strategies and approaches used to facilitate and improve the learning process. Learning is not only about acquiring knowledge and skills, but also about developing attitudes, values and character. Learning focuses not on academic achievement, but also on balanced personality development and a good quality of life. Overall learning and learning are inseparable components in achieving effective educational goals. Learning is an active process in which students acquire new knowledge and skills, while learning involves supportive approaches, strategies and environments to encourage and facilitate the learning process. In a broad context, learning involves instructional differentiation, an active approach, the use of technology, balanced assessment, and a holistic approach to student development.(Umkabu & Septi Lestari, 2023).

In the world of education there is something called a method or way of teaching so that with a method, it is hoped that it will make it easier for students to understand the material that has been given to students, and help them to think more creatively and innovatively, and not make students bored. and have the enthusiasm to participate in learning. However, you also need to know that students have their own way of learning so that not all of the methods the teacher gives them can follow well, so teachers must also be able to adapt to the learning atmosphere in the classroom and outside the classroom. Therefore, learning is a process of adjusting individual behavior in response to positive interactions with the environment through personal experience. Meanwhile, learning methods are methods or steps used in the interaction process between students and teachers to achieve learning objectives that have been determined in accordance with the material and mechanisms of learning methods . To achieve good learning outcomes, many factors influence this , including the learning methods used by teachers. Successful learning is achieved when all elements support it, such as teaching methods, with interesting methods that can be a bridge in skill acquisition. It is clear that it is important in the teaching and learning process in a school to use the methods or modes used so that they will answer the needs of students in the teaching and learning process. Learning methods are part of learning strategies. The word strategy refers to the means and art of using resources to achieve certain goals, meaning the entire effort including planning, methods, and tactics. Therefore determining the right strategy is very important. The purpose of using strategies in education is to provide a foundation for various student learning activities in the social, emotional and intellectual environment of the classroom. The available facilities help students in learning and carrying out activities to create social interactions that bring satisfaction to the atmosphere of discipline, intellectual, emotional development, attitudes and appreciation of students. This means that this strategy is important in the teaching and learning process, but it is not only the strategy that has a quite important role , but what is no less important is that the facilities and infrastructure used really determine the results of the teaching and learning process.(Nikolaos et al., 2024). Learning strategies are an educator's efforts to mobilize students to want to carry out learning activities. Learning strategies are not simple activities, each step of learning is accompanied by mobilizing all abilities to achieve learning goals. Success in learning strategies is a success in a teaching and learning process, which is basically a positive change during and after the teaching and learning process is implemented. The success of teaching and learning can be seen in the active involvement of students during the learning process. Success in teaching is not only seen from the learning outcomes achieved by students, but is seen from the perspective of the students' learning process.(Eka Anggraeni Novita, 2019).

Learning strategies are activities to manipulate elements into knowledge materials . Learning strategy is a method for conveying information that aims to help students achieve learning goals . Apart from that, learning strategy is the overall plan designed by the teacher containing the method and sequence of steps to be followed to carry out learning activities. Increasing the use of effective learning strategies is an important factor in improving educational outcomes, including academic achievement. Kozma generally explains that a learning strategy can be interpreted as any activity chosen, namely one that can provide facilities or assistance to students towards achieving certain learning goals. In the learning process, learning interactions occur between educators and students. As a direction or guideline for interaction, a series of learning activities that have been well planned are needed so that students can achieve learning goals effectively and efficiently. Determining learning strategies must be coordinated with the abilities of the subjects to be achieved. Learning strategies will influence the progress of learning objectives. The learning strategy chosen based on difficulty must pay attention to problems, so that the learning system should have the option to introduce learning conditions that are not difficult to reach and can provide students with the ability and autonomy to overcome the problems they face, this learning can further develop

student learning outcomes.(Istiqomah et al., 2023). Therefore, the strategy for teaching and learning activity methods must be very appropriate and in accordance with current developments. Learning methods or techniques must have 4 components, namely, there is a learning objective mission that can be measured by its achievement, there is an approach or method of looking from a special perspective or special scientific discipline that can be utilized, and there is a quick and appropriate learning method or technique that will be used, as well as rules or markers of success that are used as a standard for assessing success. So every strategy for teaching and learning activities must have these four components.(Eko Purnomo, 2 Novita Loka, n.d.). Therefore, to increase student activity and involvement in the teaching and learning process in the era of digitalization, one way is to involve students in material with a project-based learning strategy. By using this strategy, students are expected to be fully involved in being able to solve a case problem or learning project given to students.

Project Based Learning (Pbl) Strategy

One learning strategy that influences the ability to think, design, develop and create is a project-based learning *strategy based learning* . As a constructivist learning project based Learning provides learning in real problem situations for students so that it can produce permanent knowledge. Project based learning provides opportunities for a learning system that is student-centered, more collaborative, students are seen actively completing projects independently and working in teams and implementing real and practical problems. The goals achieved for students include thinking skills, social skills, psychomotor skills and process skills.(Nababan et al., 2023). Project-based learning is learning that emphasizes the importance of students' ability to explore knowledge through experience and the desire to find solutions to the problems they face. This is in line with the concept of " learning by doing ” expressed by John Dewey , that learning only has meaning if it is accompanied by actions that are in accordance with the goals to be achieved. Project Based Learning provides freedom for students to choose a way of learning that suits their preferences and participate in learning collaboratively.(Lubis, 2022). Project-based learning is a student-centered approach in which students actively develop their knowledge through practice and application of new ideas. Students engage in problem-solving projects that are important for future employment through research, hypothesis, discussion and testing of new ideas.(Nikolaos et al., 2024). PBL is also a teaching approach based on *constructivist , problem solving , research inquiry , integrated principles studies* and reflections that emphasize aspects of theoretical studies and their applications.(Raja Nugraha et al., 2023) Learning using the PBL method students develop a project either individually or in groups to produce a product. Method is often the choice of educators to achieve various goals including logical and critical thinking maturity.

Especially in online learning, where independent learning is very important, because students have to apply their own ideas and concepts. So this PBL model is one that is recommended for use in education according to the 2013 curriculum. Its implementation focuses on the role of the teacher as a facilitator. The role of teachers as supervisors really requires creativity in providing learning opportunities such as strategies, media, techniques and learning models so that students feel happy and comfortable observing learning. Project-based learning is a learning model with activities of designing, engineering and making certain products to acquire knowledge and skills, the application of which includes the main curriculum, straight to the important ones, extended study time, student decision-making abilities, internal collaboration, evaluation and product skills. resulting project.(Nikolaos et al., 2024). Basically the project method based Learning is created so that it can be used for dense problems that require lessons to carry out deepening and understanding. By organizing students towards the completion of a project or order so as to educate students' skills in planning, drafting, discussing , and making agreements regarding the themes that will be put together and provided. Next, Bie explained the project based Learning is an educational method that is centered on the main conception and essence of discipline, involving students in case resolution activities and other meaningful obligations, giving students the opportunity to work independently in interpreting their learning, and the highest peak in realizing the students' creative work. meaningful and real education. So teaching and learning activities are based on projects or are said to be projects based Learning is an effort to divert teaching and learning activities which currently focus on educators into teaching and learning activities that focus on students. In the project method based Students' learning will be directed towards a case or delivered on a project related to teaching materials and then students will be expected to be able to complete or work on one of the activities based on a question and problem which is then carried out through solving, analyzing and finding it independently. .(Eko Purnomo, 2 Novita Loka, n.d.).

Conclusion

It can be concluded that learning strategies are the ways or methods by which teachers channel learning to students in order to achieve the desired goals. Learning strategy is also an activity concept including the use of

techniques, methods, and the use of various infrastructure in teaching and learning activities which are designed to achieve the goals of teaching and learning activities. Determining learning strategies must be coordinated with the abilities of the subjects to be achieved. Learning strategies will influence the progress of learning objectives. With effective learning methods, students will easily understand and capture everything the teacher conveys during the learning process in class. So that the teaching and learning process can run well, you should use various types of teaching methods, alternating one learning method with another. Whatever form of strategy, method, or learning model is applied and utilized properly and appropriately in education, it will expand learning opportunities, increase efficiency, improve the quality of learning, facilitate the formation of skills, and encourage continuous lifelong learning. So, this project-based learning strategy is carried out by giving students assignments or projects that must be completed within a certain time period. The goal is to help students develop critical thinking, creative and problem- solving skills . Project-based learning uses projects or activities as learning media, and students carry out exploration, assessment, interpretation, synthesis and information to produce various forms of learning outcomes. Some of the principles in implementing this strategy are constructive investigation, autonomy, and realism.

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